| | Application No. | Applicant(s) |
|---|---|---|
| **Notice of Allowability** | 10/722,693 | GASSHO ET AL. |
| | Examiner | Art Unit | |
| | Wasseem H Hamdan | 2854 | |

*-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--*

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *11/24/2003*.

2. ☒ The allowed claim(s) is/are *1-17,19-40 and 42-46*.

3. ☒ The drawings filed on *24 November 2003* are accepted by the Examiner.

4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☒ All    b) ☐ Some*    c) ☐ None   of the:

        1. ☒ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of
        Paper No./Mail Date _____ .

**Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
    Paper No./Mail Date *12/21/2004*

4. ☐ Examiner's Comment Regarding Requirement for Deposit
    of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☐ Interview Summary (PTO-413),
    Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

## DETAILED ACTION

### *Examiner's Statement Of Reason For Allowance*

1.     The following is an examiner's statement of reasons for allowance:

Claims 1-17, 19-40 and 42-46 are allowable.

Regarding claim 1, the prior art of records does not teach all the combined elements and or components for a printer including a second printer position information acquisition which acquires printer position information from the printer position information acquisition when the print data has been received;

a private key generator which generates a private key with a passphrase containing at least the second printer position information; and

a decrypter which decrypts the print data received by the print data receiver with the private key.

Regarding claim 6, the prior art of records does not teach all the combined elements and or components for a printer including a second printer position information acquisition which acquires printer position information from the printer position information acquisition when the print data has been received;

a private key generator which generates a private key with a passphrase containing at least the second printer position information; and

a decrypter which decrypts the print data received by the print data receiver with the private key.

Regarding claim 12, the prior art of records does not teach all the combined elements and or components for a printer including a second printer position information acquisition which acquires printer position information from the printer position information acquisition when the public key acquisition receiver has received the public key acquisition request; and

a public key generator which compares the first printer position information stored in the printer position information storage and the second printer position information acquired by the second printer position information acquisition, and which generates a public key with a passphrase containing at least the first printer position information or the second printer position information when the first printer position information and the second printer position information coincide.

Regarding claim 19, the prior art of records does not teach all the combined elements and or components for a printer includingreceiving print data encrypted with the public key;

acquiring printer position information from the printer position information acquisition when the print data has been received;

generating a private key with a passphrase containing at least the second printer position information; and

decrypting the received print data with the private key.

Regarding claim 20, the prior art of records does not teach all the combined steps for a control method of a printer including acquiring printer position information from the printer position information acquisition when the public key acquisition request has been received; and

comparing the first printer position information stored in the printer position information storage and the acquired second printer position information, and generating a public key with a passphrase containing at least the first printer position information or the second printer position information when the first printer position information and the second printer position information coincide.

Regarding claim 21, the prior art of records does not teach all the combined elements and or components for a print system including a printer and a print client including a second printer position information acquisition which acquires printer position information from the printer position information acquisition when the print data has been received;

a private key generator which generates a private key with a passphrase containing at least the second printer position information; and

a decrypter which decrypts the print data received by the print data receiver with the private key.

Regarding claim 22, the prior art of records does not teach all the combined elements and or components for a print system including a printer and a print client including a second printer position information acquisition which acquires printer position information from the printer position information acquisition when the print data has been received;

a private key generator which generates a private key with a passphrase containing at least the second printer position information; and

a decrypter which decrypts the print data received by the print data receiver with the private key.

Regarding claim 23, the prior art of records does not teach all the combined elements and or components for a print system including a printer and a print client including a second printer position information acquisition which acquires printer position information from the printer position information acquisition when the public key acquisition receiver has received the public key acquisition request; and

a public key generator which compares the first printer position information stored in the printer position information storage and the second printer position information acquired by the second printer position information acquisition, and generates a public key with a passphrase containing at least the first printer position information or the second printer position information when the first printer position information and the second printer position information coincide.

Regarding claim 24, the prior art of records does not teach all the combined elements and or components for a printer including a second printer position information acquisition which acquires printer position information from the printer position information acquisition when the print data has been received;

a private key generator which generates a private key with a passphrase containing at least the second printer position information; and

a decrypter which decrypts the print data received by the print data receiver with the private key.

Regarding claim 29, the prior art of records does not teach all the combined elements and or components for a printer including a second printer position information acquisition which acquires printer position information from the printer position information acquisition when the print data has been received;

a private key generator which generates a private key with a passphrase containing at least the second printer position information; and

a decrypter which decrypts the print data received by the print data receiver with the private key.

Regarding claim 35, the prior art of records does not teach all the combined elements and or components for a printer including a second printer position information acquisition which acquires printer position information from the printer position information acquisition when the public key acquisition receiver has received the public key acquisition request; and

a public key generator which compares the first printer position information stored in the printer position information storage and the second printer position information acquired by the second printer position information acquisition and generates a public key with a passphrase containing at least the first printer position information or the second printer position information when the first printer position information and the second printer position information coincide.

Regarding claim 42, the prior art of records does not teach all the combined steps for a control method of a printer including acquiring printer position information from the printer position information acquisition when the print data has been received;

generating a private key with a passphrase containing at least the second printer position information; and

decrypting the received print data with the private key.

Regarding claim 43, the prior art of records does not teach all the combined steps for a control method of a printer including acquiring printer position information from the printer position information acquisition when the public key acquisition request has been received; and

comparing the first printer position information stored in the printer position information storage and the acquired second printer position information, and generating a public key with a passphrase containing at least the first printer position information or the second printer position information when the first printer position information and the second printer position information coincide.

Regarding claim 44, the prior art of records does not teach all the combined elements and or components for a print system including a printer and a print client including a second printer position information acquisition which acquires printer position information from the printer position information acquisition when the print data has been received;

a private key generator which generates a private key with a passphrase containing at least the second printer position information; and

a decrypter which decrypts the print data received by the J 0- data re-ilrnr with the private key

Regarding claim 45, the prior art of records does not teach all the combined elements and or components for a print system including a printer and a print client including a second printer position information acquisition which acquires printer position information from the printer position information acquisition when the print data has been received;

a private key generator which generates a private key with a passphrase containing at least the second printer position information; and

a decrypter which decrypts the print data received by the print data receiver with the private key.


Regarding claim 46, the prior art of records does not teach all the combined elements and or components for a print system including a printer and a print client including a second printer position information acquisition which acquires printer position information from the printer position information acquisition when the public key acquisition receiver has received the public key acquisition request; and

a public key generator which compares the first printer position information stored in the printer position information storage and the second printer position information acquired by the second printer position information acquisition, and generates a public key with a passphrase containing at least the first printer position information or the second printer position information when the first printer position information and the second printer position information coincide.

### *Conclusion*

2.    The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The prior art of records does not teach all the combined steps and all the combined elements / components as discussed above in the "examiner's statement of reasons for allowance".

3.    Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4.    Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wasseem H Hamdan whose telephone number is (571) 272-2166. The examiner can normally be reached on M-F (first Friday off) 6:30 AM- 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew H Hirshfeld can be reached on (571) 272-2168. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Wasseem H. Hamdan

December 30, 2004

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